Revision #1 Purchasing Agent: Jared Gardner

Item: CONCRETE VAULT TOILETS

Vendor: 04421D A CXT PRECAST CONCRETE PRODUCTS INC.
3808 NORTH SULLIVAN RD BUILDING #7
SPOKANE, WA 99216

Internet Homepage:	www.cxtinc.com
Telephone:	(509) 892-3255
Fax number:	(509) 928-8270
Contact:	Eric Kuester
Email address:	ekuester@cxtinc.com
Brand/trade name:	CXT Inc.
Price:	SEE ATTACHED LIST
Terms:	NET 30
Effective dates:	04/28/2003 through 04/28/2005
Days required for delivery:	60 DAYS
Price guarantee period:	2 YEARS
Minimum order:	
Min shipment without charges:	
Other conditions:	

Revision #1: Added floor plan names and revised specifications to include changes that were made via Addendum #1 during the bid process of JG3142.

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.

Item	Price
Buildings	
Gunnison- Building, Off load & delivery.	$10,875.00
Tioga w/ Chase- Building, Off load & delivery.	$21,922.72
Tioga- Building, Off load & delivery.	$20,128.12
Single Cascadia- Building, Off load & delivery.	$13,987.59
Double Cascadia- Building, Off load & delivery.	$22,751.92
Double Cascadia w/ Chase- Building, Off load & delivery.	$25,082.03
Single Rocky Mountain- Building, Off load & delivery.	$14,921.85
Double Rocky Mountain- Building, Off load & delivery.	$25,507.05
Double Rocky Mountain w/ Chase- Building, Off load & delivery.	$27,311.61
Installation	
Gunnison - Site preparation.	$990.00
Tioga w/ Chase - Site preparation.	$1,350.00
Tioga - Site preparation.	$1,350.00
Single Cascadia - Site preparation.	$990.00
Double Cascadia - Site preparation.	$1,750.00
Double Cascadia w/ Chase - Site preparation.	$1,750.00
Single Rocky Mountain - Site preparation.	$990.00
Double Rocky Mountain - Site preparation.	$1,750.00
Double Rocky Mountain w/ Chase - Site preparation.	$1,750.00

CHARACTERISTICS

A. The salient characteristics of the brand name or equal requirements are as set forth below:
   1. The vault toilet buildings are designed to meet or exceed the effects of a Zone-4 earthquake
   2. The vault toilet buildings are designed to meet or exceed the effects of a 120-mph wind load
   3. The vault toilet buildings are designed to meet or exceed the effects of a 250-pound per square foot snow load.
   4. The vault toilet buildings are designed to meet ADA requirements and have a minimum 60" turning radius within the Toilet Room and exclusive of all fixtures, walls and door.
   5. The vault toilet buildings are designed to with Cast Metal Door Stop, Meets Current ADA, U.F.A.S. & Title 24 statutes of California requirements, 1/4" Thick Translucent Lexan Windows, and Sweet Smelling Technology
   6. The vault toilet buildings are constructed with Min 28 Day Strength 5000 PSI, 4" Thick Steel Reinforced Concrete Walls.
   7. Signs Secured with Positive mechanical Tamper proof Components.
   8. Concrete Simulated Barnwood, Stucco, or River Rock Integrally Colored Wall Panels, 100% Acrylic Water Based Commercial Grade Painted Interior (white color 2 coats), Concrete Simulated metal or Shake Roof Panels.
   9. One coat of Oil Based Primer and Two Coats of Alkyd-Oil Based Enamel Painted

Doors.
10. Coat Hook and 18 Gauge Steel Doors, Stainless Steel Hospital Style Door Frame Stop Brush Type Door Sweep.
11. 12.75" Diameter Black Unpainted Polyethylene Plastic vent Pipe
12. Full Length, Full Width vault units, Schlage Heavy Duty Lock Set
13. 1,000 Gallon Capacity Vault
14. Lockable Double Roll Type Toilet Paper Holders
15. One Piece ABS Vault Liner, with verticle Dovetail Embeds
16. Cross Linked Polyethlene Handicap Vault Toilet Riser
17. Heavy Duty Seat and Cover Assembly
18. Stainless Steel Grab Bar.

INSTALLATION

1.1 DESCRIPTION

A. The work of this section consists of installing precast concrete toilet and utility buildings including clearing and grubbing, excavating, backfilling, site grading and cleanup.

1.2 QUALITY ASSURANCE

A. Ensure that water on the floor slab drains towards the door.

B. Flush Toilet1. All plumbing and electrical connections shall be made by licensed plumbers and electricians in the state where the building is installed.

1.3 SUBMITTALS

A. Certification from supplier that bedding material meets the gradation specified.

B. Building installation manual.

DELIVERY AND HANDLING

A. Contractor shall coordinate with the building manufacturer for the delivery and placement of the precast concrete building. Refer to Sections 13120, 13121 or 13122.

B. The Ordering Unit Contracting Officer shall provide detailed directions and a map for each delivery site.

C. Roads and bridges shall be rated for highway loads along the access route. The Ordering Unit Contracting Officer shall verify that the delivery site is accessible by trucks (18-wheeler) with a 48 ft. trailer. If the delivery site is inaccessible the Contractor shall coordinate with the Ordering Unit Contracting Officer for delivery. The Government will pay additional costs.

D. Building shall be installed according to the manufacturer-s installation instructions.

PART 2 - PRODUCTS2.1 SOIL CLASSIFICATION

A. Excavation shall be unclassified as to materials and shall include all materials that are encountered in the required excavation.

2.2 BACKFILL MATERIAL

A. Backfill material shall be sandy clay, sand, gravel, soft shale, or other suitable material free from brush, organic material, dirt clods, stone or boulders larger than six inches in greatest dimension or frozen material.

B. Backfill within six inches of concrete shall contain no stone larger than two inches and no stone two inches or larger shall lie closer than six inches to the ground surface.

C. Backfill material shall be excavated material whenever it meets specification requirements.

Whenever excavated material contains less than 10 percent of oversized material, the Contractor shall remove boulders larger than 6" from the excavated material at no additional compensation and utilize it as backfill material. Whenever material meeting the specification requirements is not available from excavation, the Contractor shall import material from a designated or approved source.

2.3 SELECT BORROW

A. When excavated soil does not meet the requirements for backfill, Contractor shall backfill with select borrow obtained from a source identified by the Ordering Unit Contracting Officer.

2.4 BEDDING MATERIAL

A. Bedding material shall be washed sand or 3/8" minus crushed or screened aggregate from a private or commercial source. Sand or aggregate shall be used as a leveling course beneath the concrete vault or slab.

2.5 ACCESSIBLE PATH SURFACING

A. The Government will provide granular surface material for placement by the Contractor within 50 feet of the building.

2.6 SEALANT

A. For vault toilet buildings, use 100% silicone caulk, clear for vent pipe and toilet riser. GE Silicone II, 800-626-2000, or approved equal.

PART 3 - EXECUTION

3.1 STAKING

A. The Government will establish the finish floor elevation and approximate corners of the building prior to the Contractor beginning work.

3.2 CLEARING AND GRUBBING

A. Clearing and grubbing shall be confined to designated areas and only marked trees may be removed. Maximum clearing and grubbing shall be confined to an area 20 feet beyond the back and sides of the building and 30 feet in front of the building. Construction work shall disturb a minimum of the existing terrain and plant life adjacent to the cleared and grubbed area. The Contractor shall exercise care to not damage unmarked trees and shrubbery. Skinned or barked trees shall be repaired with an application of black asphalt emulsion especially formulated for such use.

B. Trees shall be felled within the clearing limits, usually towards the center, so as to prevent damage to the trees that are to be left standing. When necessary to prevent damage to structures, adjacent trees, property, or to minimize danger to traffic, trees shall be cut in sections from the top downward.

C. All trimming of trees shall be done in accordance with approved horticultural practices. Branches shall be sawed cut flush with the trunk. Stumps within the clearing limit but out of the excavation area shall be cut not more than 6 inches above the ground.

D. The basic bid includes all cost for providing a site acceptable for installation of the vault toilet building. Clearing and grubbing of trees lager than 4 inches in diameter are not par of the basic bid.

3.3 TOPSOIL

A. Topsoil shall be removed from the area to be excavated and from the area where excavated material shall be piled prior to excavating. Topsoil shall be kept separate from excavated material. Topsoil shall be reused on those areas from which it came after backfilling is complete.

3.4 SAFETY, SHORING, AND PROTECTION

A. The Contractor shall meet OSHA safety rules and regulations. Walls of excavations 4= or

more in depth shall be supported by bracing, shoring, or other methods, unless the walls are sloped to a safe angle from the bottom. If shored, the excavation shall be of proper dimensions to accommodate shoring and bracing, as required to keep walls from collapsing and to allow for proper installation of the work. All existing improvements, either on public or private property, shall be fully protected from damage. All supports shall be removed after construction is completed, and shall be withdrawn in a manner that will prevent the collapse of the sides of the excavation. All openings in the ground, caused by the removal of supports, shall be filled with suitable material properly compacted.

B. All excavations left open overnight shall be fenced with wire or plastic mesh secured to steel posts all around the excavation.

1. The bottom of the fence shall follow the contour of the ground
2. Maximum spacing of the steel posts shall be 10 feet
3. Minimum height of the fence shall be 36 inches.

3.5 REMOVAL OF WATER

A. The Contractor shall provide and maintain, at all times during construction, ample means and devices with which to promptly remove and properly dispose of all water entering the excavations or other parts of the work without damage to adjacent property. All excavations shall be kept free from standing water. The Contractor at his own expense shall repair any damage caused by water in the excavation.

3.6 EXCAVATION, BACKFILL, AND SITE GRADING

A. Coordination with the Building Manufacturer1. Contractor shall coordinate with the manufacturer of the precast concrete building to accommodate installation at the time of delivery. The Contractor shall be responsible to obtain installation instructions from the manufacturer and perform the excavation, backfill, and site grading in accordance with those instructions. The excavation shall be over excavated two feet (horizontal measurement) on each side of the vault or slab to allow for compaction and minor adjustments in orientation. The Contractor must have excavation complete prior to delivery of the precast concrete building. The Contractor will be provided 1-week minimum lead-time to have the excavation work performed. Also, the Contractor must be on site at the time of delivery to perform the backfill operation as soon as the precast concrete building is in place.

B. Excavation

1. Excavation shall be performed by any method approved by the Ordering Unit Contracting Officer. Stockpile excavated material away from the excavation to facilitate crane and delivery truck access. The crane and delivery truck typically need to be side-to-side during placement.

2. Compact the natural ground at the bottom of the vault excavation with a minimum of three passes with an approved whacker-type mechanical tamper.

3. Blasting is prohibited.

4. All excavation work is unclassified and includes removal and disposal of earth fills, rocks, rubble, trash and other materials in the excavation and grading operations. The basic bid includes all cost for providing a site acceptable for installation of the vault toilet building. Excavation of rock or large boulders requiring specialized equipment is not included in the basic bid.

C. Bedding

1. The Contractor shall place a leveling course prior to placement of the vault or

building. Compact leveling course with one pass of an approved whacker-type mechanical tamper. Grade leveling course so there will be no high spots in the middle. Compact with a second pass with a tamper. Slope the top of the bedding one percent from back to front of building.

a) Minimum compacted leveling course for vault shall be 4 inches.

b) Minimum compacted leveling course for building slab shall be 6 inches.

D. Building Placement1. Refer to Section 13120, 13121 or 13122.

E. Backfill

1. Backfill shall be permitted only after the work to be covered has been approved by the Ordering Unit Contracting Officer. Backfill shall be placed in 8" thick (loose measurement) lifts and compacted with three complete passes of an approved vibratory compactor.

3.7 START-UP PROCEDURES

A. Vault Toilet

1. Vent Pipe Installation

a) Install vent pipe plumb and seal around pipe at top and underside of roof with silicone sealant. Seal around pipe at top of slab with silicone sealant.

2. Toilet Riser Installation

a) Apply silicone sealant between toilet riser flange and concrete floor before the riser is installed.

B. Flush Toilet

1. Plumbing Connection

a) Make connections to water and sewer lines in accordance with manufacturer=s instructions.

2. Electrical Connection

a) Make connection to electrical service in accordance with manufacturer=s instructions.

3.8 FINISH GRADING

A. All surfaces and slopes shall be shaped to blend with the original ground line, mounded over or smoothed off, and raked, and left in a uniform and neat condition. Stockpiled topsoil shall be smoothly distributed over disturbed areas and hand raked to blend with ground line. Final grade shall be flush with top of front slab to provide accessibility. Surface drainage shall be diverted so that it will not enter into the area.

B. The surface of accessible paths within 50 feet of the building shall be compacted with 3 passes of a vibratory compactor prior to placement of Government furnished granular material. Place granular surface material and compact with 3 passes of a vibratory compactor, wetting the material between passes.

3.9 CLEANUP

A. After backfilling and grading has been completed, the disturbed area shall be finished to present as near a natural appearance as possible and cleaned up by removing all debris and materials not utilized.

B. Clean building walls, floors, and roof using soapy water.

3.10 DISPOSALA. All unsuitable excavated material, oversize boulders, stumps, small limbs, brush, sod and other construction refuse shall be disposed of off-site at a State-approved disposal site.

*******REPORTS*********

The contractor will submit yearly reports to the State Purchasing Agent showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 01/28 of each year..

FINET COMMODITY CODE(S): **FOR AGENCY USE ONLY**

15512000000 BUILDINGS (500 SQ. FT AND UNDER)